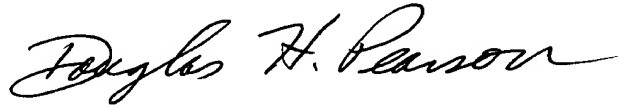


REMARKS

Claim 1 has been amended to conform to conventional U.S. practice, and claims 3-7 have been amended to remove multiple dependencies. Favorable consideration on the merits is respectfully solicited.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: 

Douglas H. Pearson
Registration No. 47,851

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: August 16, 2001

1094307636620

Attachment to Preliminary Amendment dated August 16, 2001

Marked-up Claims 1, 3 and 5-7

1. (Amended) An X-ray radiation source comprising an evacuated chamber with a window for X-ray radiation output, in which an electron emitter and a transparent anode are positioned to generate X-ray radiation, at least one focusing electron lens, and a device shaping the X-ray radiation beam placed outside the chamber but attached to it, wherein the anode is positioned before [the] a focus of said electron lens [focus] along the electron beam path [while] and wherein the device shaping the X-ray radiation beam is a diaphragm, the center of [the] said diaphragm being placed at the focus of [the] said electron lens.

3. (Amended) An X-ray radiation source of [Claims 1 and 2] Claim 1 wherein the anode is tightly vacuum-attached to the window for X-ray radiation output and positioned inside that window.

5. (Amended) An X-ray radiation source of [any of Claims 1 through 4] Claim 1, wherein the electron lens has a point focus.

6. (Amended) An X-ray radiation source of [any of Claims 1 through 4] Claim 1, wherein the electron lens has a dash-like focus.

Attachment to Preliminary Amendment dated August 16, 2001

Marked-up Claims 1, 3 and 5-7

7. (Amended) An X-ray radiation source of [any of Claims 1 through 6] Claim
1, wherein the electron source used is a pulse source.

003430-153430